

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

Loei Allaire  
Type or Print Name

Loei Allaire  
Signature

JAN. 16, '07  
Date

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No. : 10/559,886 Confirmation No. 1550  
Applicant: : Alan Cuthbertson, et.al.  
Filed : December 7, 2005  
TC/A.U. : To Be Assigned  
Examiner: : To Be Assigned  
  
Docket No. : PN0380  
Customer No. : 36335

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO NOTIFICATION OF DEFECTIVE RESPONSE**

Dear Sir:

In response to the Notification mailed December 27, 2006, (a copy of which is enclosed), applicants now submit a corrected computer readable diskette and paper copy of the sequence listing, along with a statement that the content of the sequence listing is identical to the written sequence listing.

Appl. No. 10/559,886  
Resp. Dated Jan 16, 2007  
Reply to Office action of December 27, 2006

The Commissioner is hereby authorized to charge any additional fees under 37 CFR §1.17 which may be required, or credit any overpayment, to Account No. 502-665 in the name of GE Healthcare, Inc.

A duplicate copy of this letter is provided for charging purposes:

Respectfully submitted,

A handwritten signature in black ink, consisting of a series of loops and strokes, positioned above a horizontal line.

Li Cai  
Reg. No. 45,629

GE Healthcare, Inc.  
101 Carnegie Center  
Princeton, NJ 08540  
Phone (609) 514-6418

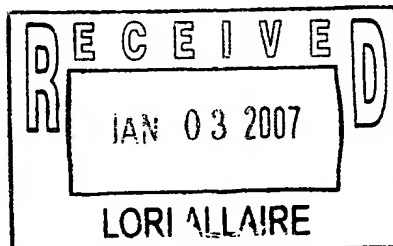


## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/559,886	Alan Cuthbertson	PN0380

36335  
 GE HEALTHCARE, INC.  
 IP DEPARTMENT  
 101 CARNEGIE CENTER  
 PRINCETON, NJ 08540-6231



INTERNATIONAL APPLICATION NO.	
PCT/NO04/00335	
I.A. FILING DATE	PRIORITY DATE
11/05/2004	11/06/2003

CONFIRMATION NO. 1550  
 371 FORMALITIES LETTER  
  
 \*OC000000021669237\*

Date Mailed: 12/27/2006

## NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495)

- Priority Document
- Copy of the International Application filed on 12/07/2005
- Copy of the International Search Report filed on 12/07/2005
- Preliminary Amendments filed on 12/07/2005
- Biochemical Sequence Diskette filed on 06/07/2006
- Oath or Declaration filed on 12/07/2005
- Biochemical Sequence Listing filed on 12/07/2005
- U.S. Basic National Fees filed on 12/07/2005
- Priority Documents filed on 12/07/2005
- Specification filed on 12/07/2005
- Claims filed on 12/07/2005
- Abstracts filed on 12/07/2005
- Drawings filed on 12/07/2005
- Paper nucleotide sequence listings filed on 12/07/2005

Applicant's response filed 06/07/2006 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 04/04/2006 have not been completed.

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

**Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR**

**1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).**

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

**For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:**

- **For Rules Interpretation, call (571) 272-0951**
- **For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.**
- **Send e-mail correspondence for Patentin Software Program Help @ [ebc@uspto.gov](mailto:ebc@uspto.gov)**

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

PATRICIA A BOOKER

Telephone: (703) 308-9140 EXT 204

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/559,886	PCT/NO04/00335	PN0380

## STIC Biotechnology Systems Branch

### RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/559,886A  
Source: FWP  
Date Processed by STIC: 12/6/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

10/557,000H

12/06/06

insert  
a hard  
return

Does Not Comply  
Corrected Diskette Needed

This is not a generated sequence listing *after numeric identifier*

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of Arg

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peptide

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Gly Arg Val Tyr Ile His Pro Ile

(sample of submitted file)

see next page

or a 10/559,886H  
"work" file

10/559,886H

Please do not submit a PatentIn ".prj" file. It is a "work-in-progress" file only; you will need to submit a generated Sequence Listing. To generate one, go to "Application Steps" on PatentIn main menu. Click on "Generate Sequence Listing" and then click "Start" button. PatentIn will validate each sequence; hopefully, you will see "Successful completion" in the white box above the "Start" button. Use the ".prj" file to generate sequence listing.

You can then view the generated Sequence Listing by going to "Project" on main menu, and clicking on "View/Print Sequence Listing." A generated PatentIn Sequence Listing will have an ".ST25" file extension.

For further assistance, please contact Mark Spencer at 571-272-2510.